

2025



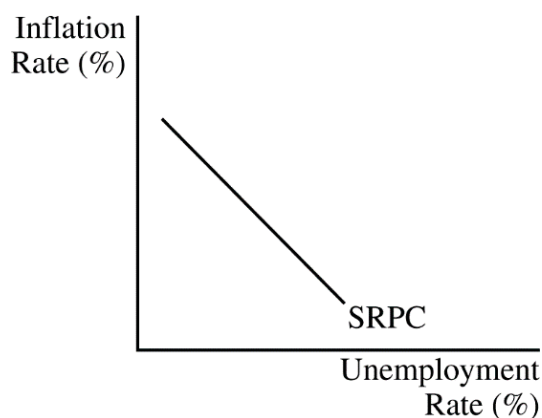
AP[®] Macroeconomics

Scoring Guidelines

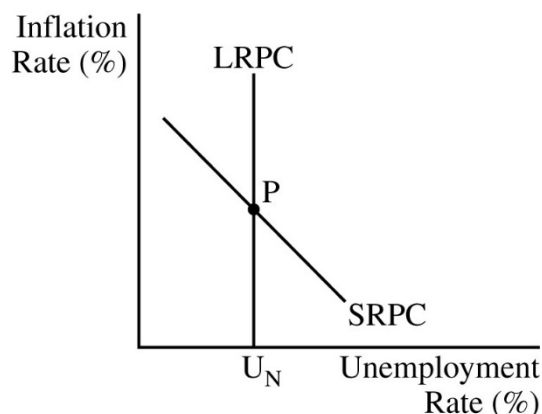
Set 1

Question 1: Long**10 points****A** Draw a correctly labeled graph of the short-run Phillips curve (SRPC).**1 point**

Point 1



Point 2 The graph must include a correctly labeled long-run Phillips curve (LRPC) and show a point labeled P at the intersection of the short-run and long-run Phillips curves.

1 point

B (i) State that real output will increase and explain that the new residential construction projects increase investment spending, which increases aggregate demand.

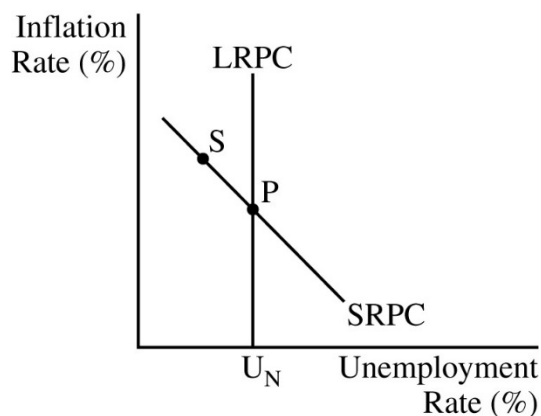
1 point

Point 3

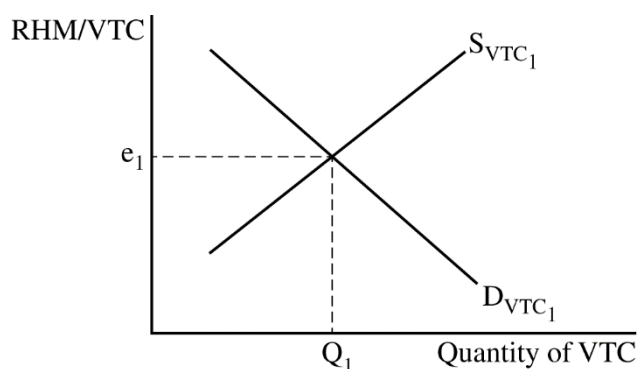
(ii) On the graph from part A, show a point labeled S on the SRPC to the left of point P.

1 point

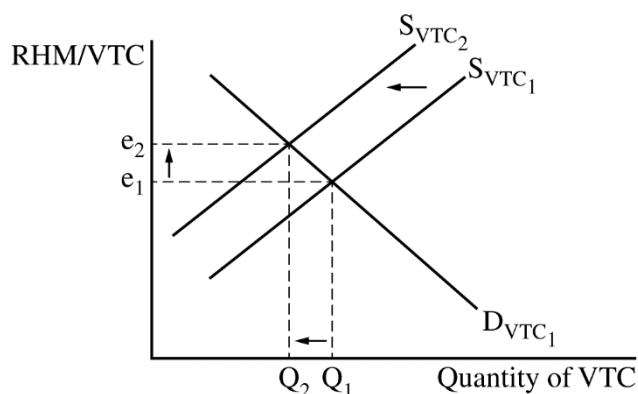
Point 4



- C** Draw a correctly labeled graph of the foreign exchange market for the Vortanian crown. **1 point**
 Point 5 crown.



- Point 6 The graph must show a leftward shift in the supply curve of the Vortanian crown, resulting in an appreciation of the Vortanian crown. **1 point**



- D** State that Vortania's net exports will decrease. **1 point**
 Point 7

- E (i)** State that the capital and financial account (CFA) balance in Vortania will move into surplus and explain that the current account (CA) moved into deficit and the balance of payments must balance ($CA + CFA = 0$). **1 point**
 Point 8

- (ii)** State that employment in Vortania will decrease. **1 point**
 Point 9

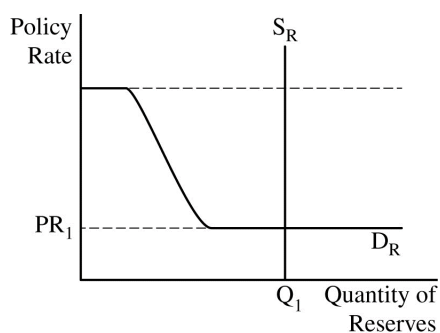
- F** State that the central bank of Vortania would sell Vortanian crowns in the foreign exchange market and explain that the increased supply of the Vortanian crown will cause it to depreciate. **1 point**
 Point 10

Question 2: Short**5 points**

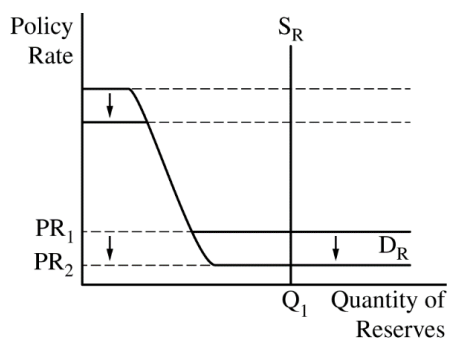
A State that the central bank of Country L would buy bonds. **1 point**
 Point 1

B State that the central bank of Country A would decrease its administered interest rates **1 point**
 Point 2 or decrease interest on reserves.

C Draw a correctly labeled graph of the reserve market with the supply curve intersecting **1 point**
 Point 3 the demand curve in the range of ample reserves.

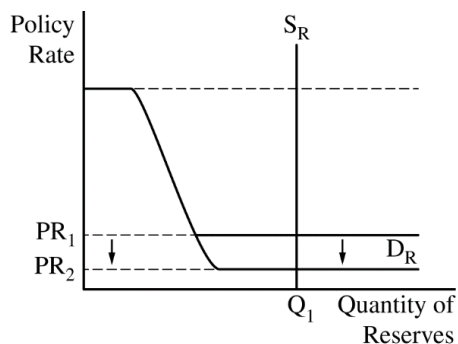


Point 4 The graph must show a decrease in the administered interest rates, resulting in a decrease in the policy rate. **1 point**



OR

The graph must show a decrease in the lower bound of the demand curve for reserves, resulting in a decrease in the policy rate.



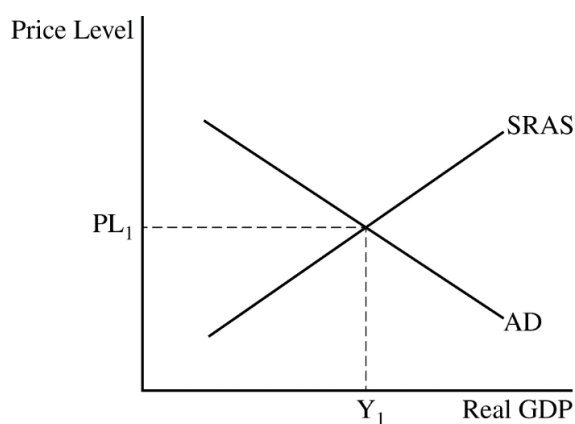
D	State that short-run aggregate supply will increase until it reaches full employment and	1 point
Point 5	explain that the increase in short-run aggregate supply in the long run will be caused by a decrease in input prices (e.g., nominal wages) and/or inflationary expectations.	

Question 3: Short**5 points**

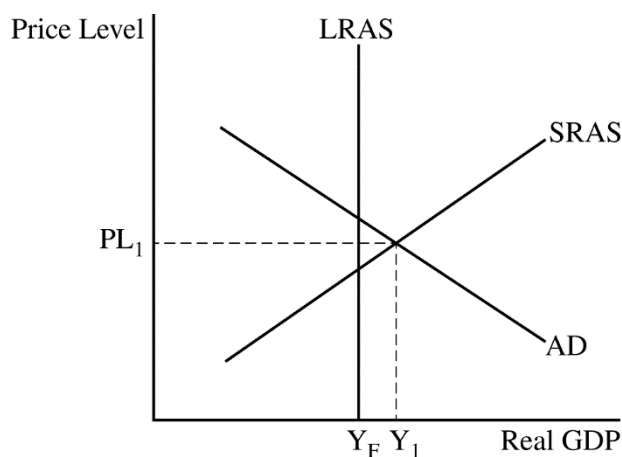
A State that the real GDP in 2021 was equal to the nominal GDP in 2021 and explain that **1 point**
 Point 1 because 2021 is the base year, no price level changes have occurred, and real values always equal nominal values in the base year.

B Calculate the real GDP in Middleland in 2022 as \$1,190 and show your work. **1 point**
 Point 2 $\text{Real GDP} = (\$11 \times 50) + (\$4 \times 70) + (\$12 \times 30) = \$1,190$

C Draw a correctly labeled aggregate demand–aggregate supply graph that shows PL_1 and **1 point**
 Point 3 Y_1 at the intersection of the aggregate demand (AD) and short-run aggregate supply (SRAS) curves.



Point 4 The graph must show a vertical long-run aggregate supply (LRAS) curve to the left of Y_1 and label the full-employment output as Y_F . **1 point**



D Calculate the minimum change in government spending as a decrease of \$8 and show **1 point**
 Point 5 your work.

$$\text{Min Change} = \frac{\text{Output Gap}}{\text{Spending Multiplier}} = \frac{(\$1,150 - \$1,190)}{\frac{1}{(1 - 0.8)}} = \frac{-\$40}{5} = -\$8$$